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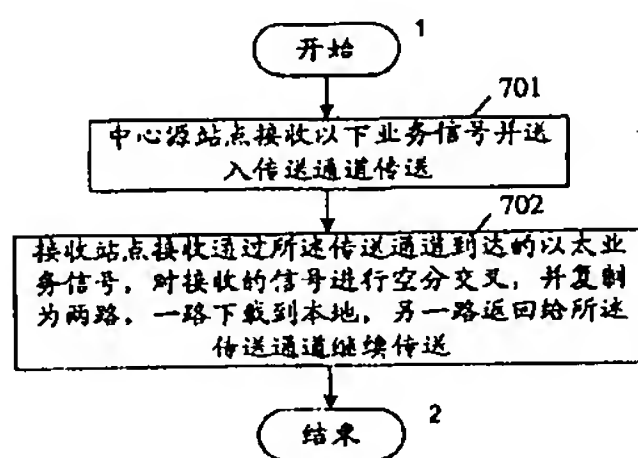
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(54) Title: A TRANSMISSION METHOD FOR ETHERNET SERVICE SIGNAL IN WAVELENGTH DIVISION MULTIPLEXING NETWORK

(54) 发明名称: 波分复用网络中以太业务信号的传送方法和处理装置



1 START
701 CENTRAL SOURCE SITE RECEIVES ETHERNET SERVICE SIGNAL AND TRANSMITS IT IN TRANSMISSION CHANNEL
702 RECEIVING SITE RECEIVES THE ETHERNET SERVICE SIGNAL TRANSMITTED IN SAID TRANSMISSION CHANNEL, DOES SPATIAL CROSS OPERATION ON THE RECEIVED SIGNAL, AND REPLICATES IT TO FORM TWO BRANCHES, ONE BRANCH IS DOWNLOADED LOCALLY, THE OTHER BRANCH IS SENT BACK TO SAID TRANSMISSION CHANNEL TO CONTINUE THE TRANSMISSION
2 END

(57) Abstract: A transmission method for Ethernet service signal in wavelength division multiplexing network, includes: a. central source site receives Ethernet service signal and transmits it in transmission channel; b. receiving site receives the Ethernet service signal transmitted in said transmission channel, does spatial cross operation on the received signal, and replicates it to form two branches, one branch is downloaded locally, the other branch is sent back to said transmission channel to continue the transmission. The present invention also provides three processing devices for Ethernet service signal in wavelength division multiplexing network. According to the present invention, multicast for big block of Ethernet service signal in wavelength division multiplexing network is easily realized, the delay for real-time service when using multicast is reduced, and there's no need to build the network through overlapping the following three layers of devices: WDM system, SDH system and data devices, the structure of the network layers is simple, the administration and the maintenance are both convenient.

(57) 摘要: 本发明提供了一种波分复用网络中以太业务信号的传送方法, 该方法包括: a、中心源站点接收以太业务信号并送入传送通道传送; b、接收站点接收通过所述传送通道到达的以太业务信号, 对接收的信号进行空分交叉, 并复制为两路, 一路下载到本地, 另一路返回给所述传送通道继续传送。本发明还提供了三种波分复用网络中以太业务信号的处理装置。通过本发明, 能够方便地实现

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大颗粒以太业务信号在波分复用网络的组播, 降低了利用组播传送实时性业务时的时延, 并不再需要将WDM系统、SDH系统、数据设备三层设备进行重叠的建网, 网络层次结构简单, 管理维护都很方便。